

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Koji SHIMAZAWA and Koichi TERUNUMA

Application No.: Rule 53(b) Divisional of 09/920,821 filed August 3, 2001

Filed: September 26, 2003

Docket No.: 110308.01

For: METHOD OF MANUFACTURING MAGNETORESISTIVE DEVICE CAPABLE OF PREVENTING A SENSE CURRENT FROM FLOWING INTO DEAD REGIONS OF A MAGNETORESISTIVE ELEMENT, AND METHOD OF MANUFACTURING THIN-FILM MAGNETIC HEAD (AS AMENDED)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The references were cited by or submitted to the Office in parent application No. 09/920,821, filed August 3, 2001, which is relied upon for an earlier filing date under 35 U.S.C. §120. Thus, copies of these references are not attached. 37 CFR §1.98(d).

Respectfully submitted,



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<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 110308.01		APPLICATION NO. Rule 53(b) Divisional of 09/920,821 filed August 3, 2001	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT(S) Koji SHIMAZAWA et al.			
				FILING DATE September 26, 2003		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
		6,040,962	03-2000	Kanazawa et al.			
		5,438,470	08-1995	Ravipati et al.			
		6,141,190	10-2000	Nakamoto et al.			
		6,344,953	02-2002	Kautsky			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
		JP 11-31313 A	02-1999	Japan			
		JP 8-45037 A	02-1996	Japan			
		JP 9-282618 A	10-1997	Japan			
		JP 2000-76629 A (w/abstract)	03-2000	Japan			
		JP 2000-285418 A (w/abstract)	10-2000	Japan			
		JP A 2000-285418 (w/ part. Trans)	10-2000	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		"Microstructure Process Techniques And Development Of Prototype Head With Reduced Read Core Width" by Tanaka et al.; The 9 <sup>th</sup> Research Workshop of The Second Research Division of Association of Super-Advanced Electronics Technologies; August 29, 2000; pgs 65-76. (with partial translation)					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: September 26, 2003